

# **CRATE**

## **GX-10**

### **GUITAR AMPLIFIER**



### **OWNER'S MANUAL**

#### **Congratulations!**

You are now the proud owner of the compact Crate GX-10 Guitar Amplifier. The GX-10 features built-in overdrive circuitry, three bands of equalization, an insert jack and a jack for headphones.

In order to get the most out of your new amplifier, we strongly urge you to go over the information contained in this manual before you begin playing.

And thank you for choosing **CRATE®**

# CRATE<sup>®</sup> GX-10 Guitar Amplifier



## IMPORTANT SAFETY INSTRUCTIONS

- READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS.
- DO NOT OPERATE NEAR ANY HEAT SOURCE AND DO NOT BLOCK ANY VENTILATION OPENINGS ON THIS APPARATUS.
- DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS.
- CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.
- ONLY CONNECT POWER CORD TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODES AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE REAR PANEL OF THE APPARATUS.
- PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED.
- UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.
- ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY.
- THIS APPARATUS DOES NOT OPERATE NORMALLY AND REQUIRES SERVICE WITH ANY PHYSICAL DAMAGE FROM IMPACT OR ANY EXPOSURE TO MOISTURE.
- SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.
- OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME.

EXPLANATION OF GRAPHICAL SYMBOLS:

EXPLICACION DE SIMBOLOS GRAFICOS:

EXPLICATION DES SYMBOLES GRAPHIQUES:



"DANGEROUS VOLTAGE"

"VOLTAJE PELIGROSO"

"DANGER HAUTE TENSION"



"IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL"

"ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES."

"REFERREZ-VOUS AU MANUAL D'UTILISATION"

**Getting Your Sound:** The Overdrive Level and Gain and the Clean Level controls (#2, 3 & 4) can be used together to obtain a wide variety of sounds. The following guidelines will help you get the sound you're looking for.

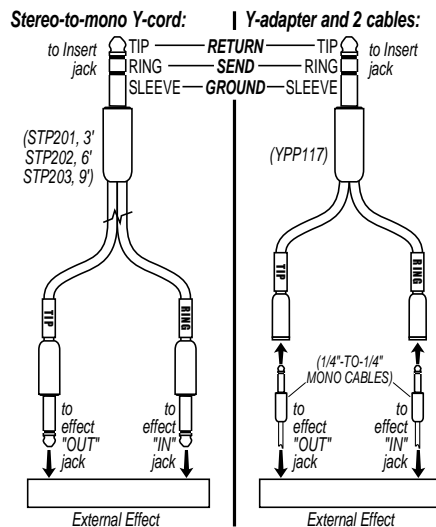
**Clean Sounds:** Keep the Gain control "off" (the Overdrive Level control will be inactive). Use the Clean Level control to set the output level.

**"Crunch" Sounds:** Set the Overdrive Level control around "4", turn the Gain on and set it to "2". Use the Clean Level control to set the output level. (A lower setting of the Clean Level control is needed as the Overdrive Level and Gain controls are increased.)

**Rhythm Distortion:** Set the Overdrive Level control around "4", Gain at or near "10". Use the Clean Level control to set the output level.

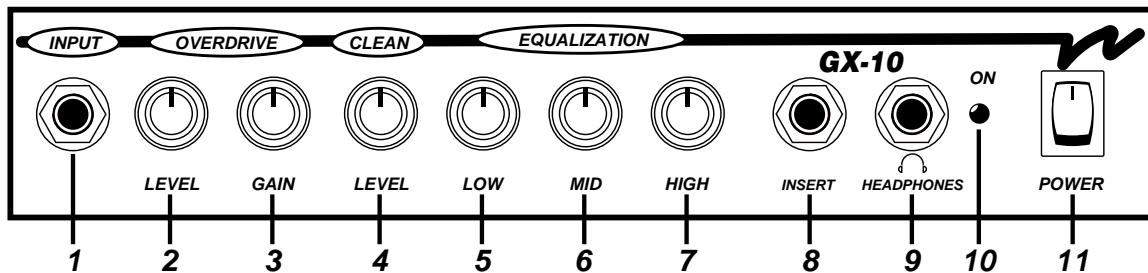
**Lead Distortion:** Set the Overdrive Level and Gain controls at or near "10". Use the Clean Level control to set the output level.

**Connecting to the Insert jack:** The Insert jack (#8) lets you patch external effects into the amplifier prior to its power amp stage. Use Crate's STP201, STP202 or STP203 stereo-to-mono Y-cord or an adapter such as Crate's YPP117 and 2 1/4" mono signal cables to connect to the effect as shown:



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**1: INPUT:** Connect your guitar here by means of a shielded instrument cable.

**2: OVERDRIVE LEVEL:** Use this control to increase the output volume and add “crunch” to your sound. This control is only active when the Overdrive Gain control (#3) is turned on. For more information please see the “Getting Your Sound” section on the previous page.

**3: OVERDRIVE GAIN:** Use this control to along with the Overdrive Level knob (#2) to add distortion to your sound. The Overdrive Level control is only active when the Gain control is turned on. For more information please see the “Getting Your Sound” section on the previous page.

**4: CLEAN LEVEL:** Use this control to adjust the overall output level of the amp. For more information please see the “Getting Your Sound” section on the previous page.

**5: LOW:** Use this control to adjust the low frequency output level. Rotating the control counter clockwise reduces the low frequency output, rotating the control clockwise increases it.

**6: MID:** Use this control to adjust the midrange frequency output level. Rotating the control counter clockwise reduces the midrange frequency output, rotating the control clockwise increases it.

**7: HIGH:** Use this control to adjust the high frequency output level. Rotating the control counter clockwise reduces the high frequency output, rotating the control clockwise increases it.

**8: INSERT:** Use this jack to connect an external effects device to the amplifier. Use a stereo 1/4” male Y-cord: ring = send, tip = return, sleeve = ground. Send goes to the effect’s input; return comes from its output. (See the illustration on the previous page for more information.)

**9: HEADPHONES:** Use this jack to connect a pair of stereo headphones for private listening. The internal speaker is disconnected when this jack is used.

**10: ON LED:** This LED illuminates when the amplifier is on.

**11: POWER SWITCH:** Use this switch to turn the amplifier on (top of the switch depressed) and off (bottom of the switch depressed).

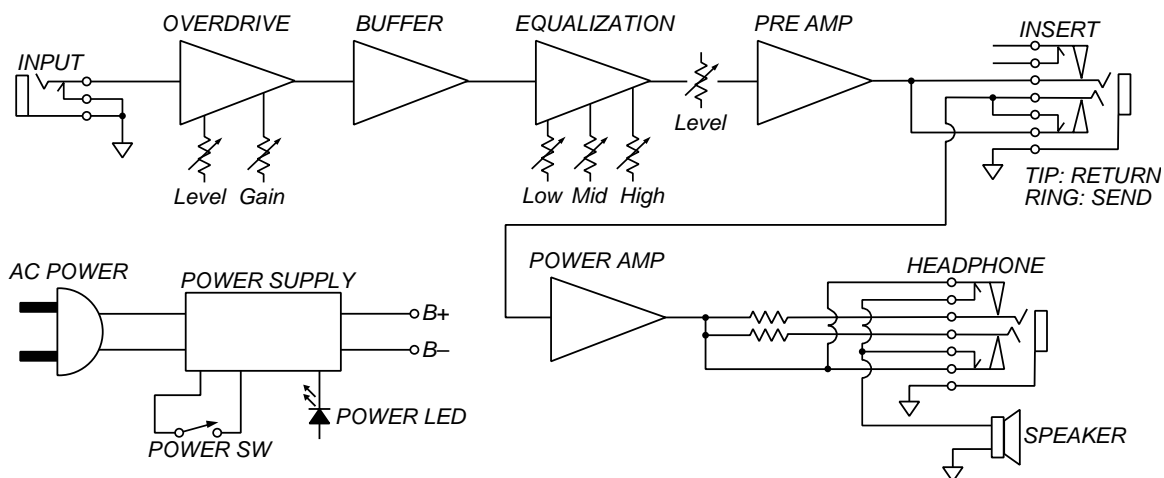
**12: AC LINE IN: (Rear panel, not shown)** The grounded power cord should only be plugged into a grounded outlet that meets all applicable electrical codes and is compatible with the voltage, power, and frequency requirements stated on the rear label. **DO NOT attempt to defeat the safety ground connection.**

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## GX-10 TECHNICAL SPECIFICATIONS

Output Power Rating	10 watts @ 1% THD 14 watts @ 10% THD
Speaker Size	6"
Input Impedance	500k ohms
Minimum Noise	1mV
Maximum Noise	10mV
Distortion	0.9%
Input Power Requirements	120 VAC, 60Hz, 20VA 100/115VAC, 50/60Hz, 20VA 230VAC, 50/60Hz, 20VA
Cabinet Size and Weight	14" H x 12-1/2" W x 6" D, 12 lbs.

### Block Diagram:



The GX-10 is covered with a black Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which could damage the finish.

*Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this Crate manual are subject to change without notice.*

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